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| WO009814601 | 156 | 1 - 156 | 1 |
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Summary

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| WO009814601 | 156 | 156 | 0 | 1 |
| Total (1) | 156 | 156 | 0 | - |

09/980,771

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(FILE 'HOME' ENTERED AT 07:48:52 ON 09 OCT 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 07:49:04 ON 09 OCT 2003

SEA (STARCH SYNTHASE) OR (ADP GLUCOSE ALPHA-1,4-GLUCAN ALPHA-4-

345 FILE AGRICOLA
5 FILE ANABSTR
8 FILE AQUASCI
31 FILE BIOBUSINESS
1 FILE BIOCOMMERCE
508 FILE BIOSIS
96 FILE BIOTECHABS
96 FILE BIOTECHDS
152 FILE BIOTECHNO
547 FILE CABA
2 FILE CANCERLIT
598 FILE CAPLUS
14 FILE CEABA-VTB
1 FILE CEN
3 FILE CIN
18 FILE CONFSCI
1 FILE CROPU
150 FILE DDFU
2785 FILE DGENE
150 FILE DRUGU
76 FILE EMBASE
196 FILE ESBIODBASE
27 FILE FEDRIP
85 FILE FROSTI
200 FILE FSTA
1122 FILE GENBANK
52 FILE IFIPAT
35 FILE JICST-EPLUS
186 FILE LIFESCI
171 FILE MEDLINE
6 FILE NTIS
607 FILE PASCAL
11 FILE PROMT
398 FILE SCISEARCH
50 FILE TOXCENTER
291 FILE USPATFULL
6 FILE USPAT2
1 FILE VETU
72 FILE WPIDS
72 FILE WPINDEX

L1 QUE (STARCH SYNTHASE) OR (ADP GLUCOSE ALPHA-1,4-GLUCAN ALPHA-4-

FILE 'PASCAL, CAPLUS, CABA, BIOSIS, SCISEARCH, AGRICOLA, USPATFULL, FSTA, ESBIODBASE, LIFESCI, MEDLINE, BIOTECHNO' ENTERED AT 07:52:00 ON 09 OCT 2003

L2 303 S L1 AND (FUSION PROTEIN OR HYBRID PROTEIN OR CHIMER?)
L3 108 S L2 AND (STARCH GRANULE)
L4 80 DUP REM L3 (28 DUPLICATES REMOVED)
L5 38 S L4 AND PHARMACEU?
L6 3 S L2 AND (STARCH ENCAPSULA?)
L7 3 DUP REM L6 (0 DUPLICATES REMOVED)
L8 38 S L3 AND PHARMACEU?
L9 38 DUP REM L8 (0 DUPLICATES REMOVED)

4 ANSWER 50 OF 80 USPATFULL on STN

ACCESSION NUMBER: 2002:88706 USPATFULL
TITLE: Starches via modification of expression of starch
biosynthetic enzyme genes
INVENTOR(S): Broglie, Karen E., Landenberg, PA, United States
Hubbard, Natalie L., Wilmington, DE, United States
Klein, Theodore M., Wilmington, DE, United States
Lightner, Jonathan E., Airville, PA, United States
PATENT ASSIGNEE(S): E. I. du Pont de Nemours and Company, Wilmington, DE,
United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|-----------------------|-------------------------------------------------------------|------|--------------|
| PATENT INFORMATION: | US 6376749 | B1 | 20020423 |
| APPLICATION INFO.: | US 1999-257894 | | 19990225 (9) |
| RELATED APPLN. INFO.: | Continuation-in-part of Ser. No. US 91052, now abandoned | | |

| | NUMBER | DATE |
|-----------------------|------------------------------------------|---------------|
| PRIORITY INFORMATION: | US 1995-9113P | 19951220 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | GRANTED | |
| PRIMARY EXAMINER: | Fox, David T. | |
| NUMBER OF CLAIMS: | 13 | |
| EXEMPLARY CLAIM: | 1 | |
| NUMBER OF DRAWINGS: | 16 Drawing Figure(s); 16 Drawing Page(s) | |
| LINE COUNT: | 3202 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The instant invention discloses utilization of a cDNA clone to construct sense and antisense genes for inhibition of starch branching enzyme enzymatic activity in corn. More specifically, this invention concerns a method of controlling the starch fine structure of starch derived from the grain of corn comprising: (1) preparing a **chimeric gene** comprising a nucleic acid fragment encoding a starch branching enzyme structural gene or a fragment thereof, operably linked in either sense or antisense orientation on the upstream side to a nucleic acid fragment encoding a promoter that directs gene expression in corn endosperm tissue, and operably linked on the downstream side to a nucleic acid fragment encoding a suitable regulatory sequence for transcriptional termination, and (2) transforming corn with said **chimeric gene**, wherein expression of said **chimeric gene** results in alteration of the fine structure of starch derived from the grain of said transformed corn compared to the fine structure of starch derived from corn not possessing said **chimeric gene**.

L4 ANSWER 79 OF 80 AGRICOLA Compiled and distributed by the National
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of America. It contains copyrighted materials. All rights reserved.
(2003) on STN

ACCESSION NUMBER: 92:21077 AGRICOLA
DOCUMENT NUMBER: IND92003876
TITLE: Expression of a chimaeric granule-bound **starch
synthase**-GUS gene in transgenic potato plants.
AUTHOR(S): Visser, R.G.F.; Stolte, A.; Jacobsen, E.
CORPORATE SOURCE: Wageningen Agricultural University, Wageningen,
Netherlands
AVAILABILITY: DNAL (QK710.P62)
SOURCE: Plant molecular biology : an international journal on
molecular biology, biochemistry and genetic
engineering, Oct 1991. Vol. 17, No. 4. p. 691-699
Publisher: Dordrecht : Kluwer Academic Publishers.
ISSN: 0167-4412
NOTE: Includes references.
DOCUMENT TYPE: Article
FILE SEGMENT: Non-U.S. Imprint other than FAO
LANGUAGE: English

AB Granule-bound **starch synthase** is the key enzyme in
amylose synthesis. The regulation of this gene was investigated using a
chimaeric gene consisting of a 0.8 kb 5' upstream sequence of the
granule-bound **starch synthase** gene from potato and the
beta-glucuronidase gene which was introduced into potato using an
Agrobacterium tumefaciens binary vector system. The chimaeric gene was
highly expressed in stolons and tubers, whereas the expression in leaves,
stems or roots from greenhouse-grown plants was relatively low. However,
leaves from in vitro grown plantlets exhibited an elevated GUS expression.
The expression of the chimaeric gene was inducible in leaves by growth on
relatively high concentrations of sucrose, fructose and glucose and was
about 30- to 50-fold higher than in leaves from greenhouse-grown plants.
The granule-bound **starch synthase** gene is expressed
organ-specifically since stolons and tubers showed GUS activities 125- to
3350-fold higher than in leaves. The activities in these two organs are 3-
to 25-fold higher than the expression of the CaMV-GUS gene. Histochemical
analysis of different tissues showed that only certain regions of leaves
and roots express high GUS activities. Stolons and tubers show high
expression.

L4 ANSWER 77 OF 80 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 1996:502541 CAPLUS

DOCUMENT NUMBER: 125:163336

TITLE: Expression of Escherichia coli branching enzyme in tubers of amylose-free transgenic potato leads to an increased branching degree of the amylopectin

AUTHOR(S): Kortstee, Anne J.; Vermeesch, Angela M. S.; De Vries, Beja J.; Jacobsen, Evert; Visser, Richard G. F.

CORPORATE SOURCE: Graduate School Experimental Plant Sciences, Agricultural University, Wageningen, 6700 AJ, Neth.

SOURCE: Plant Journal (1996), 10(1), 83-90

CODEN: PLJUED; ISSN: 0960-7412

PUBLISHER: Blackwell

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In order to increase the branching degree of potato tuber starch, the gene encoding branching enzyme (glgB) of Escherichia coli was expressed in the amylose-free potato mutant. The E. coli glgB was cloned in the binary vector pBIN19 under the transcriptional control of the potato Granule Bound **Starch Synthase** (GBSS) promoter and transit peptide sequence. The E. coli glgB was cloned behind the two N-terminal amino acids of the GBSS mature protein, creating a **chimeric** protein. Transgenic plants were obtained which expressed the E. coli branching enzyme as was shown by the presence of mRNA and protein in the tubers. Correctly processed protein was found both in the sol. and **starch granule** bound protein fraction. Anal. of the starch showed an increase in the branching degree (DE) of up to 25% more branchpoints. The increase in the no. of branchpoints was due to the presence of more short chains, with a d.p. (DP) of 16 glucose-residues or less in the amylopectin. Changes in other characteristics of the starch, such as av. chain length (CL) and .lambda.max, indicated a more branched structure for starch of transformed plants as well.

L4 ANSWER 70 OF 80 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 3

ACCESSION NUMBER: 1999:205718 CAPLUS

DOCUMENT NUMBER: 130:335344

TITLE: Simultaneous antisense inhibition of two
starch-synthase isoforms in potato
tubers leads to accumulation of grossly modified
amylopectin

AUTHOR(S): Lloyd, James R.; Landschutze, Volker; Kossmann, Jens

CORPORATE SOURCE: Max Plank Institut fur molekulare Pflanzenphysiologie,
Golm, 14476, Germany

SOURCE: Biochemical Journal (1999), 338(2), 515-521

CODEN: BIJOAK; ISSN: 0264-6021

PUBLISHER: Portland Press Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A **chimeric** antisense construct was used to reduce the activities
of the two major **starch-synthase** isoforms in potato
tubers simultaneously. A range of redns. in total **starch-**
synthase activities were found in the resulting transgenic plants,
up to a max. of 90% inhibition. The redn. in **starch-**
synthase activity had a profound effect on the **starch**
granules, which became extremely distorted in appearance compared
with the control lines. Anal. of the starch indicated that the amts.
produced in the tubers, and the amylose content of the starch, were not
affected by the redn. in activity. In order to understand why the
starch granules were distorted, amylopectin was isolated
and the constituent chain lengths analyzed. This indicated that the
amylopectin was very different to that of the control. It contained more
chains of fewer than 15 glucose units in length, and fewer of between 15
and 80 glucose units. In addn., the amylopectin contained more very long
chains. Amylopectin from plants repressed in just one of the activities
of the two **starch-synthase** isoforms, which we have
reported upon previously, were also analyzed. Using a technique different
to that used previously it was shown that both isoforms also affect the
amylopectin, but in a way that is different to when both isoforms are
repressed together.

REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 71 OF 80 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 1998:221118 CAPLUS

DOCUMENT NUMBER: 128:266959

TITLE: Encapsulation of polypeptides within the starch matrix
of recombinant plants using the starch-encapsulating
domain in **hybrid proteins**

INVENTOR(S): Keeling, Peter; Guan, Hanping

PATENT ASSIGNEE(S): Exseed Genetics L.L.C., USA

SOURCE: PCT Int. Appl., 156 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|----------|
| WO 9814601 | A1 | 19980409 | WO 1997-US17555 | 19970930 |
| W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, | | | |

GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
GN, ML, MR, NE, SN, TD, TG

| | | | | |
|------------------------------------------------------------------------------|----|----------|-----------------|------------|
| AU 9748030 | A1 | 19980424 | AU 1997-48030 | 19970930 |
| AU 730427 | B2 | 20010308 | | |
| EP 935665 | A1 | 19990818 | EP 1997-910730 | 19970930 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI | | | | |
| CN 1239514 | A | 19991222 | CN 1997-180232 | 19970930 |
| BR 9713242 | A | 20000118 | BR 1997-13242 | 19970930 |
| US 6107060 | A | 20000822 | US 1997-941445 | 19970930 |
| NZ 334637 | A | 20010223 | NZ 1997-334637 | 19970930 |
| JP 2001505412 | T2 | 20010424 | JP 1998-516777 | 19970930 |
| MX 9903040 | A | 20000331 | MX 1999-3040 | 19990330 |
| KR 2000048782 | A | 20000725 | KR 1999-702770 | 19990330 |
| PRIORITY APPLN. INFO.: | | | US 1996-26855P | P 19960930 |
| | | | WO 1997-US17555 | W 19970930 |

AB Hybrid polypeptides are provided formed with encapsulating regions from genes that encode for anabolic proteins. More particularly, the present invention relates to recombinant nucleic acid mols. that code for genes which encapsulate an attached protein within a matrix; preferably, these genes encapsulate a desired ("payload") polypeptide within starch, and more specifically within the **starch granule** matrix. Proteins contg. such starch-encapsulating regions include sol. **starch synthases** I or II or III, granule-bound **starch synthase**, branching enzymes I or IIa or IIb, and glucoamylase, and their nucleic acid sequences are known to the literature. Expression vectors comprising these recombinant nucleic acid mols., and hosts therefor, and more specifically the starch-bearing portions of such hosts, transformed with such vectors, are also provided. For example, a plant expression vector is constructed contg. the maize 10-kDa zein promoter, a maize transit peptide, a starch-encapsulating region from the sol. **starch synthase** I gene, and an attached gene fragment, for expression in rice. Preferably, grain contg. a foreign protein encapsulated within the starch is provided, useful to produce mammalian, fish and avian food. The invention also encompasses methods of producing purified protein from starch and particularly from **starch granules**, and industrial uses of such protein.

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD

L4 ANSWER 64 OF 80 USPATFULL on STN

ACCESSION NUMBER: 2000:109566 USPATFULL

TITLE: Starch encapsulation

INVENTOR(S): Keeling, Peter, Ames, IA, United States

Guan, Hanping, Ames, IA, United States

PATENT ASSIGNEE(S): ExSeed GENetics, L.L.C., Ames, IA, United States (U.S. corporation)

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|--------------|
| PATENT INFORMATION: | US 6107060 | | 20000822 |
| APPLICATION INFO.: | US 1997-941445 | | 19970930 (8) |

| | NUMBER | DATE |
|-----------------------|-----------------------------------------|---------------|
| PRIORITY INFORMATION: | US 1996-26855P | 19960930 (60) |
| DOCUMENT TYPE: | Utility | |
| FILE SEGMENT: | Granted | |
| PRIMARY EXAMINER: | Minnifield, Nita | |
| ASSISTANT EXAMINER: | Zaghmout, Ousama M-Faiz | |
| LEGAL REPRESENTATIVE: | Nixon & Vanderhye P.C. | |
| NUMBER OF CLAIMS: | 20 | |
| EXEMPLARY CLAIM: | 1,7 | |
| NUMBER OF DRAWINGS: | 9 Drawing Figure(s); 12 Drawing Page(s) | |
| LINE COUNT: | 5322 | |

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Hybrid polypeptides are provided formed with encapsulating regions from genes that encode for anabolic proteins. More particularly, the present invention relates to recombinant nucleic acid molecules that code for genes which encapsulate an attached protein within a matrix; preferably, these genes encapsulate a desired ("payload") polypeptide within starch, and more specifically within the **starch granule** matrix. Expression vectors comprising these recombinant nucleic acid molecules, and hosts therefor, and more specifically the starch-bearing portions of such hosts, transformed with such vectors, are also provided. Preferably, grain containing a foreign protein encapsulated within the starch is provided, useful to produce mammalian, fish and avian food. The invention also encompasses methods of producing purified protein from starch and particularly from **starch granules**, and industrial uses of such protein.

L4 ANSWER 62 OF 80 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:842295 CAPLUS

DOCUMENT NUMBER: 134:14733

TITLE: **Fusion proteins** with *Chlamydomonas*
starch synthase and food and
pharmaceuticals containing **starch-fusion**
protein complexes

INVENTOR(S): D'Hulst, Christophe; Ball, Steven

PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique, Fr.

SOURCE: PCT Int. Appl., 90 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|------------|
| WO 2000071734 | A1 | 20001130 | WO 2000-FR1384 | 20000519 |
| W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| FR 2793806 | A1 | 20001124 | FR 1999-6494 | 19990521 |
| FR 2793806 | B1 | 20030425 | | |
| EP 1179078 | A1 | 20020213 | EP 2000-929649 | 20000519 |
| R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO | | | |
| JP 2003500060 | T2 | 20030107 | JP 2000-620111 | 20000519 |
| PRIORITY APPLN. INFO.: | | | FR 1999-6494 | A 19990521 |
| | | | WO 2000-FR1384 | W 20000519 |

AB The invention concerns **starch granules** contg. a
hybrid protein between a **starch**
synthase and a protein of interest, the nucleotide sequences used
for obtaining same, methods for prepg. them and their uses, particularly
in pharmaceutical compns. Thus, the cDNA for the STA2 gene **starch**
synthase of *C. reinhardtii* was cloned and sequenced. A
C-terminal-truncated **starch synthase** of 58 kilodaltons
(wild-type enzyme: 76 kilodaltons) encoded by the sta2-1 allele was found
to have a six-fold increased Km for ADP-glucose and to bind to starch
grains with unaltered affinity.

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Freeform Search

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 IBM Technical Disclosure Bulletins

Term:

L1 same (fusion or hybrid or chimer\$)

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 result set

DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ

| | | | |
|-----------|----------------------------------------|-----|-----------|
| <u>L4</u> | L3 same pharmaceu\$ | 1 | <u>L4</u> |
| <u>L3</u> | L1 same (fusion or hybrid or chimer\$) | 39 | <u>L3</u> |
| <u>L2</u> | L1 same pharmaceu\$ | 3 | <u>L2</u> |
| <u>L1</u> | Starch synthase | 381 | <u>L1</u> |

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 39 of 39 returned.

☐ 1. Document ID: US 20030159178 A1

L3: Entry 1 of 39

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030159178

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030159178 A1

TITLE: Method for remodelling cell wall polysaccharide structures in plants

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------------|--------------------|-------|---------|---------|
| Ulvskov, Peter | Charlottenlund | | DK | |
| Shols, Henk | Wageningen | | NL | |
| Visser, Richard | Bennekom | | NL | |
| Borkhardt, Bernhard | Farum | | DK | |
| Sorensen, Susanne | Vallensbaek Strand | | DK | |
| Oomen, Ronald | Zwolle | | NL | |
| Vincken, Jean-Paul | Renkum | | NL | |
| Skjot, Michael | Hedehusene | | DK | |
| Voragen, Chantal Doeswijk | Wageningen | | NL | |
| Beldman, Gerrit | Wageningen | | NL | |

US-CL-CURRENT: 800/284; 435/200

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|-----------|-------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|-----------|-------|

☐ 2. Document ID: US 20030124724 A1

L3: Entry 2 of 39

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124724

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124724 A1

TITLE: Methods for producing and transforming cassava protoplasts

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------------------------------|---------------|-------|---------|---------|
| Visser, Richard G.F. | ET Bennekom | | NL | |
| Raemakers, Christiaan J.J. | CN Amhem | | NL | |
| Jacobsen, Evert | BD Wageningen | | NL | |
| Bergorvoet van Deelen, Johanna Elizabeth M. | JM Renkum | | NL | |

US-CL-CURRENT: 435/421; 800/284, 800/298

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

☐ 3. Document ID: US 20030106100 A1

L3: Entry 3 of 39

File: PGPB

Jun 5, 2003

PGPUB-DOCUMENT-NUMBER: 20030106100

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030106100 A1

TITLE: DNA molecules encoding enzymes involved in starch synthesis, vectors, bacteria, transgenic plant cells and plants containing these molecules

PUBLICATION-DATE: June 5, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|---------------|-------|---------|---------|
| Kossmann, Jens | Golm | | DE | |
| Springer, Franziska | Berlin | | DE | |
| Abel, Gernot J. | Post Loibichl | | AT | |

US-CL-CURRENT: 800/284; 435/204, 435/320.1, 435/419, 435/69.1, 536/23.2

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-----------|-------|

☐ 4. Document ID: US 20020194633 A1

L3: Entry 4 of 39

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020194633

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020194633 A1

TITLE: Novel low density lipoprotein binding proteins and their use in diagnosing and treating atherosclerosis

PUBLICATION-DATE: December 19, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Lee, Ann M. | Brookline | MA | US | |
| Lees, Robert S. | Brookline | MA | US | |
| Law, Simon W. | Lexington | MA | US | |
| Arjona, Anibal A. | Boston | MA | US | |

US-CL-CURRENT: 800/13; 435/196, 435/320.1, 435/325, 435/69.1, 514/12, 536/23.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|------|-----------|-------|

☐ 5. Document ID: US 20020170092 A1

L3: Entry 5 of 39

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020170092
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020170092 A1

TITLE: Modification of polysaccharides

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------|------|-------|---------|---------|
| Turk, S. | | | US | |

US-CL-CURRENT: 800/284; 435/101, 536/123

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 6. Document ID: US 20020152485 A1

L3: Entry 6 of 39

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020152485
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020152485 A1

TITLE: Novel low density lipoprotein binding proteins and their use in diagnosing and treating atherosclerosis

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Lees, Ann M. | Brookline | MA | US | |
| Lees, Robert S. | Brookline | MA | US | |
| Law, Simon W. | Lexington | MA | US | |
| Arjona, Anibal A. | Boston | MA | US | |

US-CL-CURRENT: 800/13; 435/7.1, 514/1, 530/359, 530/388.23, 536/23.5

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 7. Document ID: US 20020138876 A1

L3: Entry 7 of 39

File: PGPB

Sep 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020138876
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020138876 A1

TITLE: Nucleic acid molecules encoding enzymes from wheat which are involved in starch synthesis

PUBLICATION-DATE: September 26, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|------------|-------|---------|---------|
| Block, Martina | Bonn | | DE | |
| Lorz, Horst | Hamburg | | DE | |
| Lutticke, Stephanie | Hamburg | | DE | |
| Walter, Lennart | Gluckstadt | | DE | |
| Frohberg, Claus | Berlin | | DE | |
| Kossmann, Jens | Golm | | DE | |

US-CL-CURRENT: 800/284; 435/204, 435/320.1, 530/370, 536/23.2, 536/23.6

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KMC | Draw Desc | Image |
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☐ 8. Document ID: US 20020129388 A1

L3: Entry 8 of 39

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020129388

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020129388 A1

TITLE: Novel low density lipoprotein binding proteins and their use in diagnosing and treating atherosclerosis

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-----------|-------|---------|---------|
| Lees, Ann M. | Brookline | MA | US | |
| Lees, Robert S. | Brookline | MA | US | |
| Law, Simon W. | Lexington | MA | US | |
| Arjona, Anibal A. | Boston | MA | US | |

US-CL-CURRENT: 800/8; 435/320.1, 435/325, 435/69.1, 530/350, 536/23.5

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KMC | Draw Desc | Image |
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☐ 9. Document ID: US 20020088023 A1

L3: Entry 9 of 39

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020088023

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020088023 A1

TITLE: Nucleic acid molecules encoding soluble starch synthases from maize

PUBLICATION-DATE: July 4, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------|--------|-------|---------|---------|
| Kossmann, Jens | Golm | | DE | |
| Frohberg, Claus | Berlin | | DE | |

US-CL-CURRENT: 800/284; 536/23.6, 800/278, 800/286

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 10. Document ID: US 20020049997 A1

L3: Entry 10 of 39

File: PGPB

Apr 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020049997
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020049997 A1

TITLE: Methods for producing and transforming cassava protoplasts

PUBLICATION-DATE: April 25, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------------------|---------------|-------|---------|---------|
| Visser, R. G.F. | Et Bennekom | | NL | |
| Raemakers, C. J.J. | CN Arnhem | | NL | |
| Jacobson, E. | BD Wageningen | | NL | |
| Bergervoet van Deelen, J. E.M. | JM Renkum | | NL | |

US-CL-CURRENT: 800/298; 435/410, 435/430, 536/102, 800/286

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

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| KWIC | Draw Desc | Image |
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☐ 11. Document ID: US 20020029394 A1

L3: Entry 11 of 39

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020029394
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020029394 A1

TITLE: Homologs of starch synthase DU1

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|------------|-------|---------|---------|
| Allen, Stephen M. | Wilmington | DE | US | |
| Beckles, Diane M. | Wilmington | DE | US | |
| Thorpe, Catherine J. | St. Albans | | GB | |

US-CL-CURRENT: 800/284; 435/419, 435/69.1, 530/370, 536/23.2, 536/23.6

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 12. Document ID: US 20010051335 A1

L3: Entry 12 of 39

File: PGPB

Dec 13, 2001

PGPUB-DOCUMENT-NUMBER: 20010051335
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010051335 A1

TITLE: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN TASSEL

PUBLICATION-DATE: December 13, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------|------------|-------|---------|---------|
| LALGUDI, RAGHUNATH V. | CLAYTON | MO | US | |
| ITO, LAURA Y. | PLEASANTON | CA | US | |
| SHERMAN, BRADLEY K. | OAKLAND | CA | US | |

US-CL-CURRENT: 435/6; 435/69.1

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 13. Document ID: US 20010011378 A1

L3: Entry 13 of 39

File: PGPB

Aug 2, 2001

PGPUB-DOCUMENT-NUMBER: 20010011378

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010011378 A1

TITLE: Nucleic acid molecules from plants coding enzymes which participate in the starch synthesis

PUBLICATION-DATE: August 2, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------|--------|-------|---------|---------|
| Kossmann, Jens | Golm | | DE | |
| Frohberg, Claus | Berlin | | DE | |

US-CL-CURRENT: 800/278

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 14. Document ID: US 6617495 B2

L3: Entry 14 of 39

File: USPT

Sep 9, 2003

US-PAT-NO: 6617495

DOCUMENT-IDENTIFIER: US 6617495 B2

TITLE: Nucleic acid molecules from plants coding enzymes which participate in the starch synthesis

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 15. Document ID: US 6605588 B1

L3: Entry 15 of 39

File: USPT

Aug 12, 2003

US-PAT-NO: 6605588

DOCUMENT-IDENTIFIER: US 6605588 B1

TITLE: Low density lipoprotein binding proteins and their use in diagnosing and treating atherosclerosis

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 16. Document ID: US 6570008 B1

L3: Entry 16 of 39

File: USPT

May 27, 2003

US-PAT-NO: 6570008

DOCUMENT-IDENTIFIER: US 6570008 B1

TITLE: Modification of starch biosynthetic enzyme gene expression to produce starches in grain crops

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 17. Document ID: US 6551827 B1

L3: Entry 17 of 39

File: USPT

Apr 22, 2003

US-PAT-NO: 6551827

DOCUMENT-IDENTIFIER: US 6551827 B1

TITLE: Methods for producing and transforming cassave protoplasts

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 18. Document ID: US 6538179 B1

L3: Entry 18 of 39

File: USPT

Mar 25, 2003

US-PAT-NO: 6538179

DOCUMENT-IDENTIFIER: US 6538179 B1

TITLE: Enhanced starch biosynthesis in seeds

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 19. Document ID: US 6483010 B1

L3: Entry 19 of 39

File: USPT

Nov 19, 2002

US-PAT-NO: 6483010

DOCUMENT-IDENTIFIER: US 6483010 B1

**** See image for Certificate of Correction ****

TITLE: DNA molecules encoding enzymes involved in starch synthesis, vectors, bacteria, transgenic plant cells and plants containing these molecules

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 20. Document ID: US 6476212 B1

L3: Entry 20 of 39

File: USPT

Nov 5, 2002

US-PAT-NO: 6476212

DOCUMENT-IDENTIFIER: US 6476212 B1

**** See image for Certificate of Correction ****

TITLE: Polynucleotides and polypeptides derived from corn ear

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 21. Document ID: US 6468799 B1

L3: Entry 21 of 39

File: USPT

Oct 22, 2002

US-PAT-NO: 6468799

DOCUMENT-IDENTIFIER: US 6468799 B1

TITLE: Genetically modified plants with altered starch

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 22. Document ID: US 6392120 B1

L3: Entry 22 of 39

File: USPT

May 21, 2002

US-PAT-NO: 6392120

DOCUMENT-IDENTIFIER: US 6392120 B1

TITLE: Modification of starch biosynthetic enzyme gene expression to produce starches in grain crops

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 23. Document ID: US 6376749 B1

L3: Entry 23 of 39

File: USPT

Apr 23, 2002

US-PAT-NO: 6376749

DOCUMENT-IDENTIFIER: US 6376749 B1

TITLE: Starches via modification of expression of starch biosynthetic enzyme genes

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 24. Document ID: US 6365800 B1

L3: Entry 24 of 39

File: USPT

Apr 2, 2002

US-PAT-NO: 6365800

DOCUMENT-IDENTIFIER: US 6365800 B1

TITLE: Transgenic crops accumulating fructose polymers and methods for their

production

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KMOC | Draw Desc | Image |
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☐ 25. Document ID: US 6307125 B1

L3: Entry 25 of 39

File: USPT

Oct 23, 2001

US-PAT-NO: 6307125

DOCUMENT-IDENTIFIER: US 6307125 B1

**** See image for Certificate of Correction ****

TITLE: Nucleic acid molecules encoding enzymes from wheat which are involved in starch synthesis

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KMOC | Draw Desc | Image |
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☐ 26. Document ID: US 6307124 B1

L3: Entry 26 of 39

File: USPT

Oct 23, 2001

US-PAT-NO: 6307124

DOCUMENT-IDENTIFIER: US 6307124 B1

**** See image for Certificate of Correction ****

TITLE: Nucleic acid molecules encoding soluble starch synthases from maize

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KMOC | Draw Desc | Image |
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☐ 27. Document ID: US 6211436 B1

L3: Entry 27 of 39

File: USPT

Apr 3, 2001

US-PAT-NO: 6211436

DOCUMENT-IDENTIFIER: US 6211436 B1

TITLE: Nucleic acid molecules from plants coding enzymes which participate in the starch synthesis

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KMOC | Draw Desc | Image |
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☐ 28. Document ID: US 6130367 A

L3: Entry 28 of 39

File: USPT

Oct 10, 2000

US-PAT-NO: 6130367

DOCUMENT-IDENTIFIER: US 6130367 A

TITLE: DNA molecules that code for enzymes involved in starch synthesis, vectors, bacteria, transgenic plant cells and plants containing said molecules

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KMOC | Draw Desc | Image |
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☐ 29. Document ID: US 6107060 A

L3: Entry 29 of 39

File: USPT

Aug 22, 2000

US-PAT-NO: 6107060

DOCUMENT-IDENTIFIER: US 6107060 A

TITLE: Starch encapsulation

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 30. Document ID: US 5981728 A

L3: Entry 30 of 39

File: USPT

Nov 9, 1999

US-PAT-NO: 5981728

DOCUMENT-IDENTIFIER: US 5981728 A

TITLE: Dull1 coding for a novel starch synthase and uses thereof

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 31. Document ID: US 5824790 A

L3: Entry 31 of 39

File: USPT

Oct 20, 1998

US-PAT-NO: 5824790

DOCUMENT-IDENTIFIER: US 5824790 A

TITLE: Modification of starch synthesis in plants

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 32. Document ID: US 5608149 A

L3: Entry 32 of 39

File: USPT

Mar 4, 1997

US-PAT-NO: 5608149

DOCUMENT-IDENTIFIER: US 5608149 A

TITLE: Enhanced starch biosynthesis in tomatoes

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 33. Document ID: US 5536653 A

L3: Entry 33 of 39

File: USPT

Jul 16, 1996

US-PAT-NO: 5536653

DOCUMENT-IDENTIFIER: US 5536653 A

TITLE: Tomato fruit promoters

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 34. Document ID: US 5498830 A

L3: Entry 34 of 39

File: USPT

Mar 12, 1996

US-PAT-NO: 5498830

DOCUMENT-IDENTIFIER: US 5498830 A

TITLE: Decreased oil content in plant seeds

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 35. Document ID: WO 2079410 A2

L3: Entry 35 of 39

File: EPAB

Oct 10, 2002

PUB-NO: WO002079410A2

DOCUMENT-IDENTIFIER: WO 2079410 A2

TITLE: GLUCAN CHAIN LENGTH DOMAINS

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 36. Document ID: WO 9411520 A2

L3: Entry 36 of 39

File: EPAB

May 26, 1994

PUB-NO: WO009411520A2

DOCUMENT-IDENTIFIER: WO 9411520 A2

TITLE: NOVEL PLANTS AND PROCESSES FOR OBTAINING THEM

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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| KWIC | Draw Desc | Image |
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☐ 37. Document ID: WO 200279410 A2

L3: Entry 37 of 39

File: DWPI

Oct 10, 2002

DERWENT-ACC-NO: 2003-040678

DERWENT-WEEK: 200303

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TITLE: New DNA encoding fusion protein consisting of 4 different functional domains selected from glucan association domain, linker domain, glucosyl transferase domain, and C-terminal end, useful for producing modified starches

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|

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| KWIC | Draw Desc | Image |
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☐ 38. Document ID: JP 2003500060 W FR 2793806 A1 WO 200071734 A1 AU 200047659 A EP 1179078 A1

L3: Entry 38 of 39

File: DWPI

Jan 7, 2003

DERWENT-ACC-NO: 2001-052291
DERWENT-WEEK: 200314
COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: New recombinant nucleic acid encoding fusion of starch synthase and second component, useful in pharmaceutical and food compositions, is targeted to starch granules

| | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments |
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☐ 39. Document ID: US 6570008 B1 WO 200006755 A2 AU 9952174 A EP 1100938 A2 BR 9912680 A CN 1314946 A HU 200104208 A2 MX 2001000503 A1 US 6392120 B1 JP 2002525029 W

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May 27, 2003

DERWENT-ACC-NO: 2000-195311
DERWENT-WEEK: 200337
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TITLE: Producing transgenic cereal crops with altered starch structure useful for preparing foodstuff, paper, plastic or adhesives, comprises transforming crops with chimeric sense or antisense gene construct encoding starch synthase

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| L1 same (fusion or hybrid or chimer\$) | 39 |

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